

Notice of Allowability	Application No.	Applicant(s)	
	10/604,794	CHEN ET AL	
	Examiner	Art Unit	
	Alexander O Williams	2826	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.			
1. This communication is responsive to the Response filed 9/1	<u>27/04</u> .		
2. The allowed claim(s) is/are <u>1-25</u> .			
3. $\square$ The drawings filed on <u>18 August 2003</u> are accepted by the	Examiner.		
<ul> <li>4.  Acknowledgment is made of a claim for foreign priority una a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have</li> <li>2.  Certified copies of the priority documents have</li> <li>3.  Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)).</li> <li>* Certified copies not received:</li> </ul>	been received. been received in Application No		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
5. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			
6. CORRECTED DRAWINGS ( as "replacement sheets") mus  (a) including changes required by the Notice of Draftspers  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	on's Patent Drawing Review (PTO- s Amendment / Comment or in the C 84(c)) should be written on the drawin	office action of	
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I			
Attachment(s)  1. Notice of References Cited (PTO-892)  2. Notice of Draftperson's Patent Drawing Review (PTO-948)  3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.  Interview Summary Paper No./Mail Dat 8), 7.  Examiner's Amendn 8.  Examiner's Stateme 9.  Other	e	

Application/Control Number: 10/604,794

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Applicant's Response (filed 9/27/04) is acknowledged. **Error! Bookmark not defined.** 

Claims 1 to 25 are allowable over the prior art of record.

## **REASON FOR ALLOWANCE**

1. The following is an Examiner's Statement of Reasons for Allowance:

As to independent claims 1, 8 and 20, the prior art of record fails to show the combination recited in any of the claims. In particular, the prior art of record fails to show or collectively teach providing thee the nickel layer forms a barrier between the UBM and the solder bump, with copper layer having a thickness of about 3 to about 8 microns. Applicant's arguments provide reason for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander O Williams whose telephone number is (571) 272 1924. The examiner can normally be reached on M-F 6:30-7:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272 1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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